

FIGURE 1

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SEQ ID NO:26 AREANAGLVAGSYKRNELVIRHSDGQPKPLKEANGQICQICGDTVGKTSATGDTFVAC
SEQ ID NO:30 -----MDGDADAL-KSGRHGAGDVQCI CADGLGTLTLDGDTVAC
SEQ ID NO:33 -----MESEGETAGKPMKNI VPTQCI CSDNVGKTVGDRFVAC
1 60

* ***** * * * * * * * * * * * * * * * * * * * *
NECGFPVCRPCYEYERKDGNCPCQCKTRYKRQKSPRVEGDEEEEDVDLEN-EFNYSG
61 DVCRFVCRPCYEYERKEGTQACLOCKTKYKRHRGSPAIRGEEGDDTDADGGS-DFNYPA
DITCSFPVCRPCYEYERKDGNCPCQCKTRYKRLKGSPAIPGDKDEDGLADEGTVEFNYP-
120

* * * * * * * * * * * * * * * * * * * * * * * * *
KGKNQK--KVTTARRPWQ---GQQDIELS-----VSSRHDESQQP---VPLLTGHGS
121 SGTEDQKQKIADRMRSWRMNTGGSGNVGHPKYDSDGEIGLSKYDSGEIPRGYVPSVTNSQ-
-----QKEKISERMLGWHLTRGKGEMGPQYDK-----EVSHNHLPRUTSRQD
180

*** *
VSGEIPTPDNHSIRTTSGPIGPVEKSIPIYIDPRQPVAVR IIVDPKDLNSYGLGNVDWKE
MSGEIPGASPD--HHMMSPTGNISRRAPPY-VNHSPNPSREFSG-----SIGNVAMKE
TSGEFSAASPE--RLSVSSTIAGKKRLPYSSDVNQSPNRRIVDPV-----GLGNVAMKE
181

** *** ** * * * * * * * * * * * * * * * * *
RVEGWKLKQEKNMVOMTS-----RYPEGKGTGTEGSGNG--EELQMAADDIRQPMRSIVPI
RVDGWKMKGKGAIPMTNGTSTAPSEGRATDIDASTEYNMEDALLNDETQPLSRKVPI
RVDGWKMKGKNTGPV-----STQAASERGVDIDASTDILADEALLNDEARQPLSRKSVI
241

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FIGURE 1 CONTINUED

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*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
SEQ ID NO:26      SSSHPTPRVVIIRLRIILGFEFLQVRCTHPVKDAPLWLTSVCEIWFALSWILLDQFPKW
SEQ ID NO:30      ASSKINPYRMVIVLRVLVSIFLHYRLTNPNRYAPLWLLSVICEIWFALSWILLDQFPKW
SEQ ID NO:33      PSSRINPYRMVIMLRVLVILCLFLHYRIINPNPNAFALWLVSVICEIWFALSWILLDQFPKW
301
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
SPVNRETYILDRLSMRFDREGEPSQLAPIDVFSVTDPLKEPPLVTANTVLSILAVDYPVD
SEQ ID NO:26      FFINRETYILDRLALRYDREGEPSQLAAVDIFVSTVDPLKEPPIVTANTVLSILAVDYPVD
SEQ ID NO:30      FPNRETYILDRLALRYDREGEPSQLAAVDIFVSTVDPLKEPPLVTANTVLSILAVDYPVD
SEQ ID NO:33      FPNRETYILDRLALRYDREGEPSQLAAVDIFVSTVDPLKEPPLVTANTVLSILAVDYPVD
361
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
KVSQVYSDGGSAMLTFEALSETAEFAKKWAPCKKHSIEPRAPEYFAQKIDYLDKQVQP
SEQ ID NO:26      KVSQVYSDGGSAMLTFDALSETSEFAKKWVPFKKYDIEPRAPEYFCQKIDYLDKQVQP
SEQ ID NO:30      KVSQVYSDGGSAMLTFDALSETSEFAKKWVPFKKYDIEPRAPEYFCQKIDYLDKQVQP
SEQ ID NO:33      KVSQVYSDGGSAMLTFEALSETAEFAKKWVPFKKYDIEPRAPEYFAQKIDYLDKQVQT
421
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
SFVKERRAMKREYEEFKIRINALVAKAQKVPPEGWMTQDGTWPNGNNSRDHPGMIQVFLG
SEQ ID NO:26      SFVKERRAMKREYEEFKIRINALVSKALKVPPEGWIMQDGTWPNGNTRDHPGMIQVFLG
SEQ ID NO:30      SFVKERRAMKREYEEFKIRINALVSKALKVPPEGWIMQDGTWPNGNTRDHPGMIQVFLG
SEQ ID NO:33      SFVKERRAMKREYEEFKIRINALVSKALKVPPEGWIMQDGTWPNGNTRDHPGMIQVFLG
481
*      *      *      *      *      *      *      *      *      *      *      *      *      *      *      *
HSGGFTEGNELPRLVYVVSREKRPGFQHHKKAGAMNALIRVSAVLINGAYLLNVDCDHYF
SEQ ID NO:26      HSGGLDTEGNELPRLVYVVSREKRPGFQHHKKAGAMNALIRVSAVLINGQYMLNLCDDHYI
SEQ ID NO:30      QNGGLDAEGNELPRLVYVVSREKRPGFQHHKKAGAMNALIRVSAVLINGPFIINLCDDHYI
SEQ ID NO:33      QNGGLDAEGNELPRLVYVVSREKRPGFQHHKKAGAMNALIRVSAVLINGPFIINLCDDHYI
541

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FIGURE 1 CONTINUED

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*****
NNSKCLKEAMCFMMDPNLGGKTCYVQFFQREDDLDHRYANRNIVFEDINLKLGLDGTQG
NNKAVREAMCFMMDPNLGPQVYVQFFQREDDLDHRYANRNIVFEDINLKLGLDGTQG
NNSKALREAMCFMMDPNLGGKQVYVQFFQREDDLDHRYANRNIVFEDINLKLGLDGTQG
660
601

*****
PYYVGTGCCFNRQALYGYDPVLTEEDLPPNIIKSCGSRKKGGKGNKKYIDKNRALKRT
PYYVGTGCCFNRQALYGYEPPPIKAK--RPGFTASLCGGKKKASKS-KKRSDDKKSKNHV
PYYVGTGCCFNRQALYGYEPPPIKVKHKKPSSLKLCGSRKKNSK-AKESDDKKSGRHT
720
661

* * * * *
ESTAPIFNMEDIEEGIE--GYDDERSFLMAQ-SYEKRFGQSPVLIAATFMEOGGLPPSPN
DSSVPVFNLEDIEEGVEGAGFDEKSVLMSQMSLEKRFQGSAAVFASITLMEYGGVPPSST
DSTVPVFNLEDIEEGVEGAGFDEKALMSQMSLEKRFQGSAAVFASITLMEYGGVPPSAT
780
721

*****
SATLLKEAIVHISCGYEDKTEWGEIGWIYGSVTEIDLTGFKMHTRGWISYICMPRPRAF
PESILLKEAIVHISCGYEDKSEWGEIGWIYGSVTEIDLTGFKMHARGWRSYICMPKRPRAF
PENLLKEAIVHISCGYEDKSDWGEIGWIYGSVTEIDLTGFKMHARGWRSYICMPKLPRAF
781

*****
KGSAPINLSDRNLQVLRWALGSTEILLSRHCPWIYGSYGRKLFLERLAYINTIYPLTISI
KGSAPINLSDRNLQVLRWALGSTEILLSRHCPWIYGSYGRKLFLERFAYINTIYPLTISI
KGSAPINLSDRNLQVLRWALGSTEILLFSRHCPWIYGSYGRKLFLERFAYINTIYPLTISI
841
900

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FIGURE 1 CONTINUED

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